

Converting Colors

$Y_{xy}(36.8034, 0.3245, 0.2030)$

Have a look what the booklet for
Yxy(36.8034, 0.3245, 0.2030)
contains.

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Color

Yxy(36.7963, 0.3244, 0.2030)

Conversions

Conversions Part 1

Format	Color
Hex	F56EEF
RGB	245, 110, 239
RGB Percent	96%, 43%, 94%
CMY	0.0394, 0.5685, 0.0627
CMYK	0.00, 0.55, 0.02, 0.04
HSL	303°, 87%, 70%
HSV	303°, 55%, 96%
XYZ	58.8016, 36.7963, 85.6647
YIQ	165.0710, 39.0510, 68.7390

Conversions

Conversions Part 2

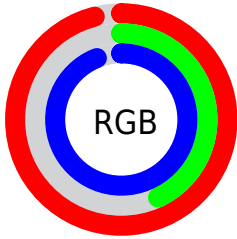
Format	Color
R _Y B	245, 110, 239
Decimal	16084719
CIE Lab	67.12, 67.75, -41.32
CIE LCh	67, 79.355, 328.624
Yxy	36.7963, 0.3244, 0.2030
Android (android.graphics.Color)	4294274799 (0xFFFF56EEF)
YUV	165.0710, 36.4470, 70.0977
Hunter-Lab	60.6600, 66.8766, -41.2681

Details

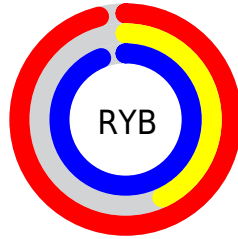
The Yxy color **36.7963, 0.3244, 0.2030** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **69.8596, 0.3019, 0.4995**, and the grayscale version is **37.4761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **16.1392, 0.3240, 0.1746** is the 20% darker color. If you saturate the color by 10%, you get **32.1567, 0.3266, 0.1863**, and if you desaturate by 10%, it is **42.9004, 0.3222, 0.2230**.

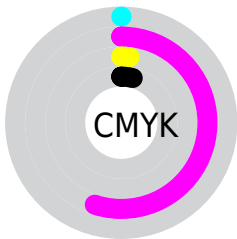
Distribution



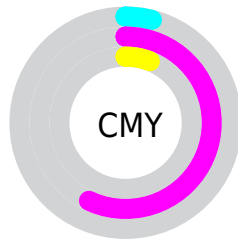
- Red (96%)
- Green (43%)
- Blue (94%)



- Red (96%)
- Yellow (43%)
- Blue (94%)



- Cyan (0%)
- Magenta (55%)
- Yellow (2%)
- Black (4%)




- Cyan (4%)
- Magenta (57%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7963, 0.3244, 0.2030 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 36.7963, 0.3244, 0.2030 by changing the saturation by 10% instead.


 36.7963, 0.3244,
0.2030


 36.7963, 0.3244,
0.2030


332.4278, 0.3212,
0.2604


 25.0498, 0.3245,
0.1904


 70.2594, 0.3238,
0.2226

 16.1142, 0.3243,
0.1751


 92.7448, 0.3234,
0.2303

 9.6050, 0.3234,
0.1564


 119.5786, 0.3230,
0.2370

 5.1378, 0.3213,
0.1331

151.1452, 0.3226,
0.2429

 2.3284, 0.3167,
0.1039

187.8290, 0.3223,
0.2480

 0.7887, 0.3066,
0.0678

230.0145, 0.3219,

 0.0000, 0.2911,

0.2526

0.0000

278.0859, 0.3216,
0.2567

■ 0.0000, 0.1774,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7963, 0.3244,
0.2030

■ 36.7963, 0.3244,
0.2030

■ 32.1567, 0.3266,
0.1863

■ 42.9004, 0.3222,
0.2230

■ 28.8529, 0.3285,
0.1737


■ 50.5735, 0.3199,
0.2453


■ 26.7427, 0.3303,
0.1654

■ 59.9164, 0.3177,
0.2690


■ 25.6490, 0.3318,
0.1614


■ 71.0200, 0.3156,
0.2932

 25.3540, 0.3325,
0.1605

 83.9688, 0.3136,
0.3172

 97.5482, 0.3120,
0.3383

 97.6146, 0.3113,
0.3372

 97.6815, 0.3107,
0.3361

 97.7487, 0.3101,
0.3351

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.7963, 0.2195, 0.1707



36.7963, 0.3244, 0.2030



36.7963, 0.4481, 0.2587

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.7963, 0.3244, 0.2030



36.7963, 0.4682, 0.4848



36.7963, 0.1342, 0.2701

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.7963, 0.3244, 0.2030



69.8596, 0.3019, 0.4995

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.7963, 0.1798, 0.4009



36.7963, 0.3244, 0.2030



36.7963, 0.3716, 0.5474

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.7963, 0.3244, 0.2030



36.7963, 0.5321, 0.4035



36.7963, 0.2668, 0.5265



36.7963, 0.1281, 0.1947

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.7963, 0.3244, 0.2030



36.7963, 0.5115, 0.3039



36.7963, 0.2668, 0.5265



36.7963, 0.1445, 0.3083

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.7980, 0.3244, 0.2030



75.2694, 0.3160, 0.2885



21.3642, 0.2085, 0.1533



15.5693, 0.3164, 0.2836



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.7980, 0.3244, 0.2030



34.7783, 0.3268, 0.1848



33.5832, 0.3976, 0.2630



16.7549, 0.3145, 0.3067



13.6693, 0.3323, 0.1604



1.2053, 0.3307, 0.1596

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.7980, 0.3244, 0.2030



34.7783, 0.3268, 0.1848



71.9760, 0.2713, 0.4110



16.7549, 0.3145, 0.3067



13.6693, 0.3323, 0.1604



1.2053, 0.3307, 0.1596

Previews

White Background



This preview shows how the Yxy color 36.7963, 0.3244, 0.2030 looks on a white background.

Color Contrast Check

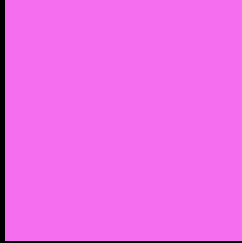
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.7963, 0.3244, 0.2030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

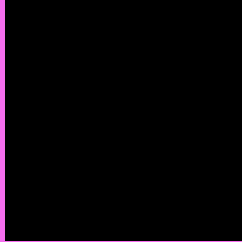
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7963, 0.3244, 0.2030

Background



This preview shows how black text looks on a background with the Yxy color 36.7963, 0.3244, 0.2030.

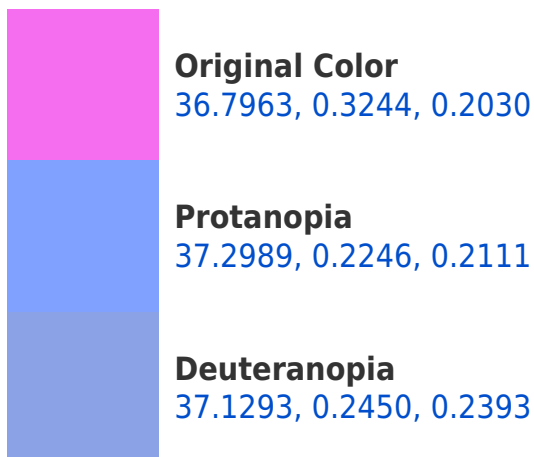


This preview shows how white text looks on a background with the Yxy color 36.7963, 0.3244, 0.2030.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

36.5562, 0.4130, 0.3179

Trichromacy



Original Color

36.7963, 0.3244, 0.2030



Protanomaly

34.8435, 0.2526, 0.2020



Deuteranomaly

34.9931, 0.2690, 0.2194



Tritanomaly

36.0990, 0.3792, 0.2699

Monochromacy



Original Color

36.7963, 0.3244, 0.2030



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.5259, 0.3175, 0.2693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7963, 0.3244, 0.2030 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(245, 110, 239)` looks like.

```
.text, #text, p{  
    color:rgb(245, 110, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(245, 110, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 110, 239) }
```

Border

The CSS property to change the border of an element to Yxy 36.7963, 0.3244, 0.2030 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(245, 110, 239) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(245, 110, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(245, 110, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 110, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 110, 239);  
box-shadow:4px 4px 4px 4px rgb(245, 110,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7963, 0.3244, 0.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 110, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(245,  
110, 239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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